



### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

# In re Application of:

Sandhu et al.

Serial No.: 10/637,102

Filed: August 8, 2003

For: LOW RESISTANCE CONTACT TO SILICON HAVING A TITANIUM SILICIDE INTERFACE AND AN AMORPHOUS TITANIUM CARBONITRIDE BARRIER

LAYER

Examiner: L. Gurley

**Group Art Unit: 2812** 

Attorney Docket No.: 2269-3264.7US

(92-0280.10/US)

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

February 20, 2004

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the document listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. A copy of the listed document is enclosed pursuant to 37 C.F.R. § 1.98(a).

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## U.S. Patent Documents

U.S. Patent No.	<b>Publication Date</b>	<u>Patentee</u>	
5,733,816	03/31/98	Iyer et al.	

Applicants offer to supply any explanation or discussion of the document which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

I hereby certify that no item of information contained in the Supplemental Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the statement, and therefore no fee is due.

Respectfully submitted,

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Date: February 20, 2004

JRD/sls:djp

Enclosures: Form PTO-1449 or PTO/SB/08

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Approved for use through 10/31/2002. OMB 0651-0031

3264.7US (92-0280.10/US)

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Substitute for form 1449A/PTO	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/637,102	
STATEMENT BY APPLICANT	Filing Date	August 8, 2003	
STATEMENT DI ATTEICANT	First Named Inventor	Sandhu et al.	
	Group Art Unit	2812	
(use as many sheets as necessary)	Examiner Name	L. Gurley	

Attorney Docket Number

U.S. PATENT DOCUMENTS					
	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
		No. Number - Kind Code <sup>2</sup> (if known) MM-DD-YYYY		Passages or Relevant Figures Appear	
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Examiner Cite	Foreign Patent Document	ATENT DOCUM	Name of Patentee or	Pages, Columns, Lines,		
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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Examiner Signature	Date Considered	

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